

Project Title:	Roles of Lig3 and XRCC1 Genes in Genome Stability
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Grant Number:	R01ES012512

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Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
ATM mediates oxidative stress-induced dephosphorylation of DNA ligase IIIalpha.	Dong, Zhiwan; Tomkinson, Alan E	Nucleic Acids Res (2006)	34 / 5721-279	PubMed Citation
Chromosomal translocations in human cells are generated by canonical nonhomologous end-joining.	Ghezraoui, Hind; Piganeau, Marion; Renouf, Benjamin; Renaud, Jean-Baptiste; Sallmyr, Annahita; Ruis, Brian; Oh, Sehyun; Tomkinson, Alan E; Hendrickson, Eric A; Giovannangeli, Carine; Jasin, Maria; Brunet, Erika	Mol Cell (2014 Sep 18)	55 / 829-42	PubMed Citation
Distinct kinetics of human DNA ligases I, IIIalpha, IIIbeta, and IV reveal direct DNA sensing ability ...	Chen, Xi; Ballin, Jeff D; Della-Maria, Julie; Tsai, Miaw-Sheue; White, Elizabeth J; Tomkinson, Alan E; Wilson, Gerald M	DNA Repair (Amst) (2009 Aug 6)	8 / 961-8	PubMed Citation
DNA ligases as therapeutic targets.	Tomkinson, Alan E; Howes, Timothy R L; Wiest, Nathaniel E	Transl Cancer Res (2013 Jun)	2 /	PubMed Citation
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Functional capacity of XRCC1 protein variants identified in DNA repair-deficient Chinese hamster ova ...	Berquist, Brian R; Singh, Dharmendra Kumar; Fan, Jinshui; Kim, Daemyung; Gillenwater, Elizabeth; Kulkarni, Avanti; Bohr, Vilhelm A; Ackerman, Eric J; Tomkinson, Alan E; Wilson 3rd, David M	Nucleic Acids Res (2010 Aug)	38 / 5023-35	PubMed Citation

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